

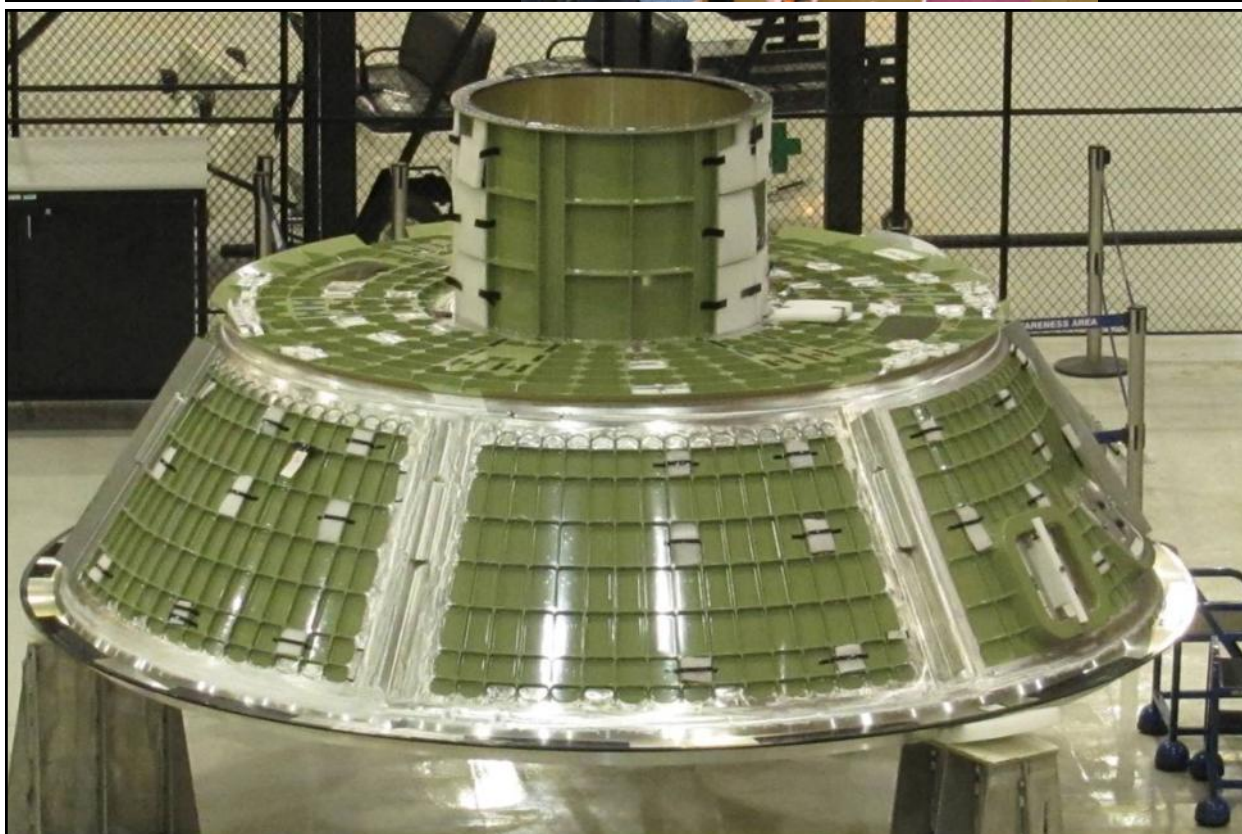
ORION


CREW EXPLORATION VEHICLE

WEEKLY ACCOMPLISHMENTS

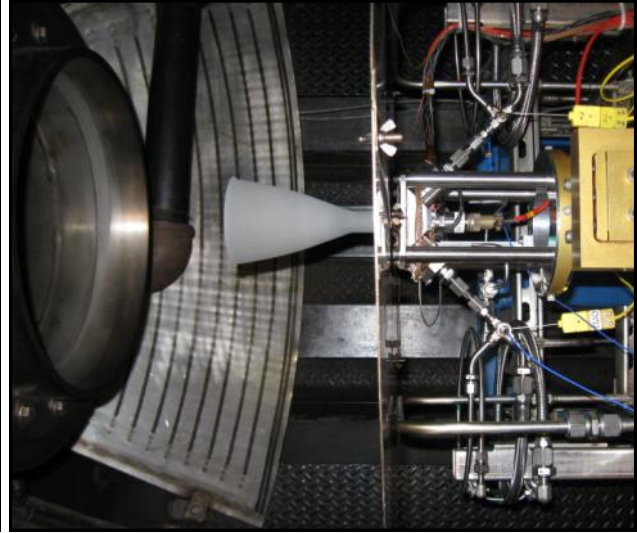
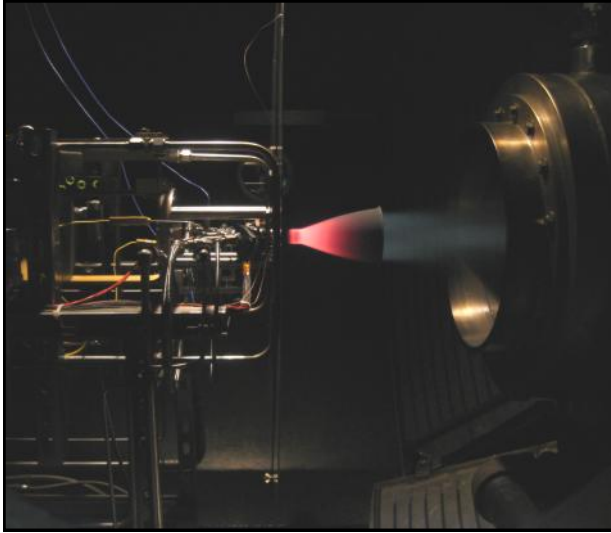


05.21.10



 The welding of the Ground Test Article (GTA) Cone to Forward Bulkhead (shown above) was completed at the Michoud Assembly Facility in New Orleans, Louisiana. The cone/forward bulkhead assembly was then moved into position (shown right) and will be mated with the barrel assembly in preparation for the closeout weld which is scheduled to be complete by the end of the month.





Aerojet successfully completed a second set of hot-fire test sequences of its R-1E 25-pound thrust, bipropellant engine. This second test included more than 17,250 seconds of total burn time, demonstrating engine flexibility to operate under a broad variety of conditions expected for NASA's Orion service module. Initial test results indicate the engine performed successfully in simulated space-flight mission scenarios.

On May 14, 2010, more than 700 students at K.E. Little Elementary School in Bacliff, Texas (shown right) joined with more than 500 other schools around the world by signing *Student Signatures in Space®* posters to celebrate Space Day 2010, sponsored by Lockheed Martin and NASA. As part of their Space Day program, the students were treated to a very special experience, a visit by two former astronauts -- Space Shuttle Commanders Pamela Melroy and Brian Duffy -- who narrated their in-flight video from the shuttle mission they flew together. In addition to the presentation, first place winners of an art contest were awarded Astronaut Nesting Dolls autographed by Pam and Brian. The students then watched the impressive launch of Atlantis' last mission live on NASA TV while Pam and Brian led the students in a countdown of "5, 4, 3, 2, 1 – BLASTOFF!"

